

Programming Review

1st Program

' Write a Visual Basic Program to Enter 10 Numbers And Calculate Sum Of Them.. If The User Enters Negative Number Or Zero, The Operation Stops And Prints Sum.

```
Module Module1
    Sub Main()
        Dim i, X, Sum As Integer
        Sum = 0
        For i = 1 To 10
            X = InputBox("Enter " & i & "'s Number ")
            If X <= 0 Then GoTo Ext
            Sum = Sum + X
        Next
    Ext:
        MsgBox("Sum is " & Sum)
    End Sub
End Module
```

2nd Program

' Write a Visual Basic Program To Print The Multiplication Table in The Console Screen.

```
Module Module1
    Sub Main()
        Dim i, j As Integer
        For i = 1 To 12
            For j = i To 12
                Console.WriteLine(i & "x" & j & " = "
& i * j)
            Next
            Console.WriteLine()
        Next
    End Sub
End Module
```

Mumkn Brdo T3mlha B Do While Aw Do Until.

3rd Program

' Write a V.B Program to Print This in the Console Screen

```
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```

Mumken Yege Ashkaal Tanyaa Bs el Fekra Wa7da.

```
Module Module1
    Sub Main()
        Dim i, j As Integer
        For i = 10 To 1 Step -1
            For j = 1 To i
                Console.Write("*")
            Next
            Console.WriteLine()
        Next
    End Sub
End Module
```

4th Program

' Write a Visual Basic Program Representing a Simple Dictionary (Using Vectors).

```
Module Module1
```

```
    Sub Main()  
        Dim English() As String = {"Home", "Car",  
"Famous", "Easy"}  
        Dim Arabic() As String = {"", "سيارة",  
"مشهور", "سهل"}  
        Dim Valid As Boolean  
        Dim Word As String  
        Dim i As Integer  
  
        Word = InputBox("Enter the word you'd like to  
translate to arabic")  
        For i = 0 To 3  
            If Word = English(i) Then  
                Valid = True  
                Exit For  
            End If  
        Next  
        If Valid = True Then  
            MsgBox("Translation is " & Arabic(i))  
        Else  
            MsgBox("Sorry, No Translation Found")  
        End If  
    End Sub  
End Module
```

5th Program

' Write a V.B Program To Calculate The Sum And The Maximum Element in the Diagonal Of a 10 X 10 Matrix.

```
Module Module1
    Sub Main()
        Dim A(10, 10) As Integer
        Dim i, j, Max, Sum As Integer
        For i = 0 To 9
            For j = 0 To 9
                A(i, j) = InputBox("Enter A(" & i &
", " & j & ")")
            Next
        Next
        Max = A(0, 0)
        Sum = 0
        For i = 0 To 9
            Sum = Sum + A(i, i)
            If A(i, i) > Max Then Max = A(i, i)
        Next
        MsgBox("Sum is " & Sum & "Maximum is " & Max)
    End Sub
End Module
```

6th Program

' Write a Function to Calculate TV Price After Discount And Transport Coast , The User Will Enter The Size and Price.

<i>' Size</i>	<i>Discount</i>	<i>Transport</i>
<i>' Size < 12</i>	<i>5%</i>	<i>10\$</i>
<i>' 12 <= Size < 20</i>	<i>7%</i>	<i>20\$</i>
<i>' Size > 20</i>	<i>10%</i>	<i>30\$</i>

Module Module1

Sub Main()

Dim Size, Price As Single

Dim New_Price As Double

Size = InputBox("Enter TV Size")

Price = InputBox("Enter TV Price")

New_Price = Discount(Size, Price)

MsgBox("Price After Discount = " & New_Price)

End Sub

Function Discount(ByVal Size As Single,
ByVal Price As Single)

Dim New_Price As Double

If Size < 12 Then

New_Price = Price * 0.95 - 10

ElseIf Size >= 12 And Size < 20 Then

New_Price = Price * 0.93 - 20

ElseIf Size >= 20 Then

New_Price = Price * 0.9 - 30

End If

Return (New_Price)

End Function

End Module

7th Program

' Write a Function To Accept Worker's Type , Salary , And Absence Days Then Calculate His Salary According to His Type.

' Type	Hour's Price	Tax	Absence Day/1
' 1	10	5%	5\$
' 2	20	7%	7\$
' 3	30	10%	10\$

Module Module1

Sub Main()

Dim Type, Abs As Integer

Dim Hours, Salary As Single

Type = InputBox("Enter the worker type")

Hours = InputBox("Enter the work hours")

Abs_Days = InputBox("Enter the absence days")

Salary = Sal(Type, Hours, Abs)

MsgBox("The worker's salary is " & Salary)

End Sub

Function Sal(ByVal Type As Integer,

ByVal Hours As Single,

ByVal Abs As Integer)

Dim Salary As Single

If Type = 1 Then Salary = Hours * 10 * 0.95 + 100 - Abs * 5

If Type = 2 Then Salary = Hours * 20 * 0.93 + 200 - Abs * 7

If Type = 3 Then Salary = Hours * 30 * 0.9 + 300 - Abs * 10

Return Salary

End Function

End Module

Note: De Mo3zm el Programs Ele msh Mwgoda F el Ktaab..

Fe Programs Muhma Mwgoda F el Ktab Brdo

Menha Page 99 (Resturant)

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+ El 7agat el Adima B2a ele 2bl el Nested Loops :D

Loads Of Luck, Everyone.

For Any Inquiries Contact @Fb